2-1-80 - Operations suspended

FILE NOTATIONS

ntered in NID File .....
ocation Map Pinned .....
ard Indexed .....

Checked by Chief .....
Approval Letter .....
Disapproval Letter .....

COMPLETION DATA:

ed 2-1-80

Location Inspected .....

W..... OS..... PA.....

State or Fee Land ....

LOGS FILED

Driller's Log.....
Electric Logs (No.) .....
E..... I..... Dual I Lat..... GR-N..... Micro.....
C Sonic GR..... Lat..... MI-L..... Sonic.....
... CR-S..... Others ...

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, CO. 81501
Bus: 303-248-1342
Res: 303-242-6311

April 25, 1979

United States Geological Survey
8440 Federal Building
125 S. State Street
Salt Lake City, Utah 84138

Attention: Mr. E. W. Guynn

RE: Bowers Federal Well #1-34,
Sec. 34, T19S, R23E, SLB&M,
Grand County, Utah.

Dear Mr. Guynn:

Enclosed in triplicate is an APD for the captioned well.

Very truly yours,

James E. Bowers

James E. Bowers
President

Enclosure
JEB/bz

CC: Utah Oil and Gas Commission

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Bowers Oil and Gas Exploration, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 636, Grand Junction, Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface ~~335 FEL, 381 Ft. FSL~~ 1780' FEL, 1120' FSL SWSE
At proposed prod. zone SAME

5. LEASE DESIGNATION AND SERIAL NO.
#14267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

9. WELL NO.
Bowers Federal Well #1-34

10. FIELD AND POOL, OR WILDCAT
Unnamed Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
sec. 34, T19S, R23E, SLB&M

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 10 miles north by northwest of Cisco, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
367ft.

16. NO. OF ACRES IN LEASE
2240

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
more than 2640ft.

19. PROPOSED DEPTH
2550' Morrison

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4965 GR

22. APPROX. DATE WORK WILL START*
1 June, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	20 lb.	200'	60 sx. Class G; 3% CaCl
6 1/4"	4½"	9.5 lb.	2600'	60 sx. RFC, 10-2

SEE ATTACHED PAPER

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED [signature] TITLE President DATE 4/25/79

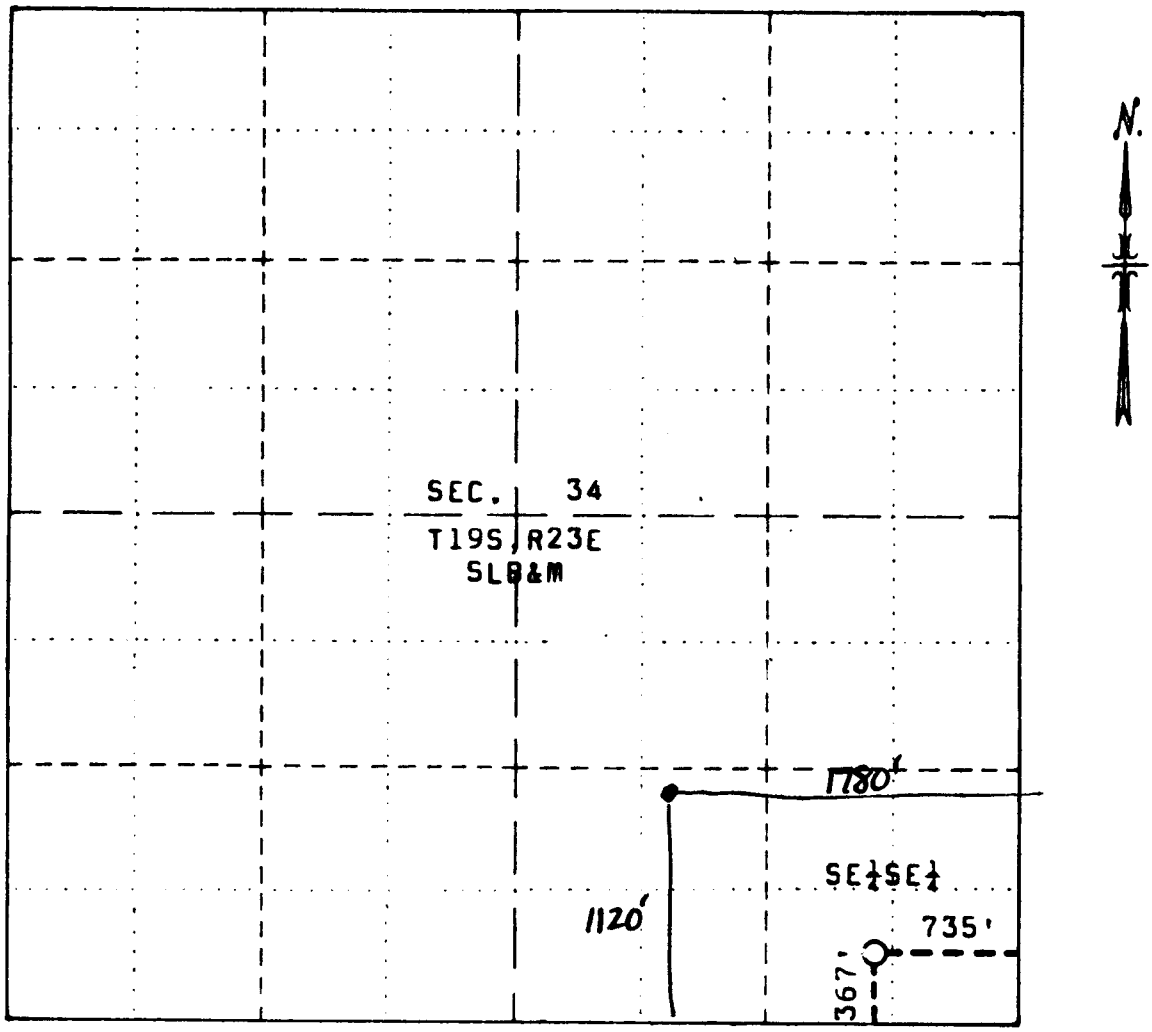
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



SCALE: 1" = 1000'

BOWERS FEDERAL WELL #1-34

Located North 367 feet from the South boundary and West 735 feet from the East boundary of Section 34, T19S, R23E, SLB&M.

Elev. 4965

Grand County, Utah

REGISTERED LAND SURVEYOR No. 2573 UDELL S. WILLIAMS STATE OF UTAH

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

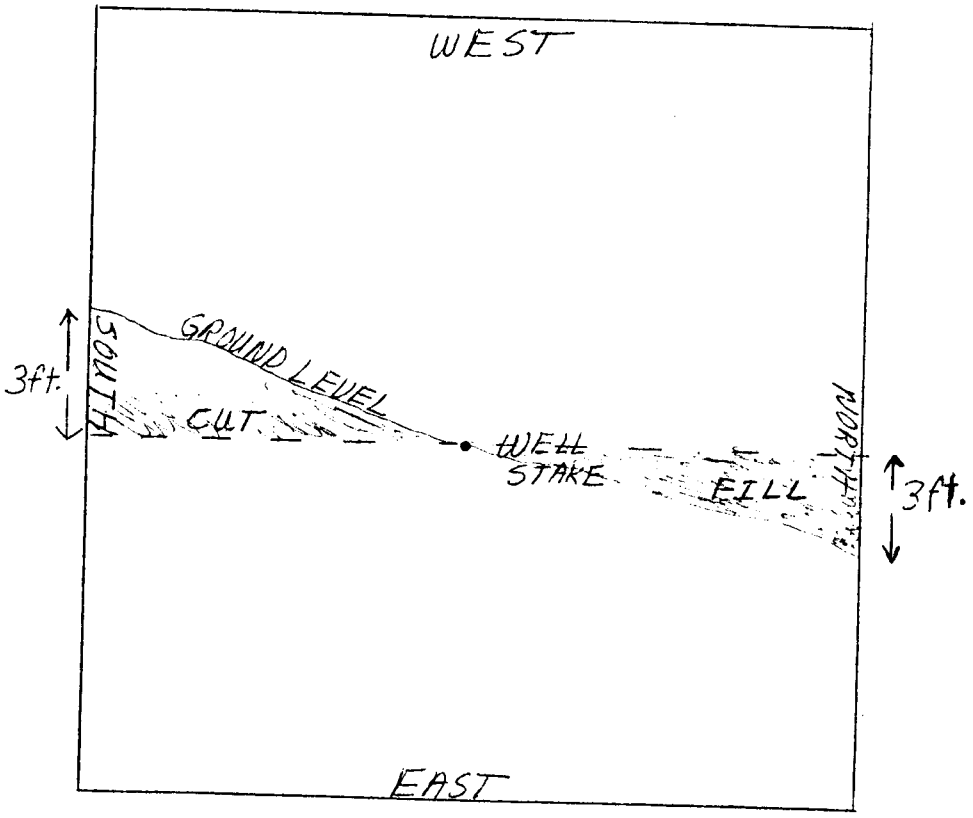
UTAH R.L.S. NO. 2573

UDELL S. WILLIAMS
751 Rood Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION
BOWERS FEDERAL WELL #1-34
SE¼SE¼ SECTION 34
T19S, R23E, SLB&M

SURVEYED BY: USW DATE: 5/14/79
DRAWN BY: USW DATE: 5/14/79

CUT/FILL DIAGRAM FOR WELL #1-34



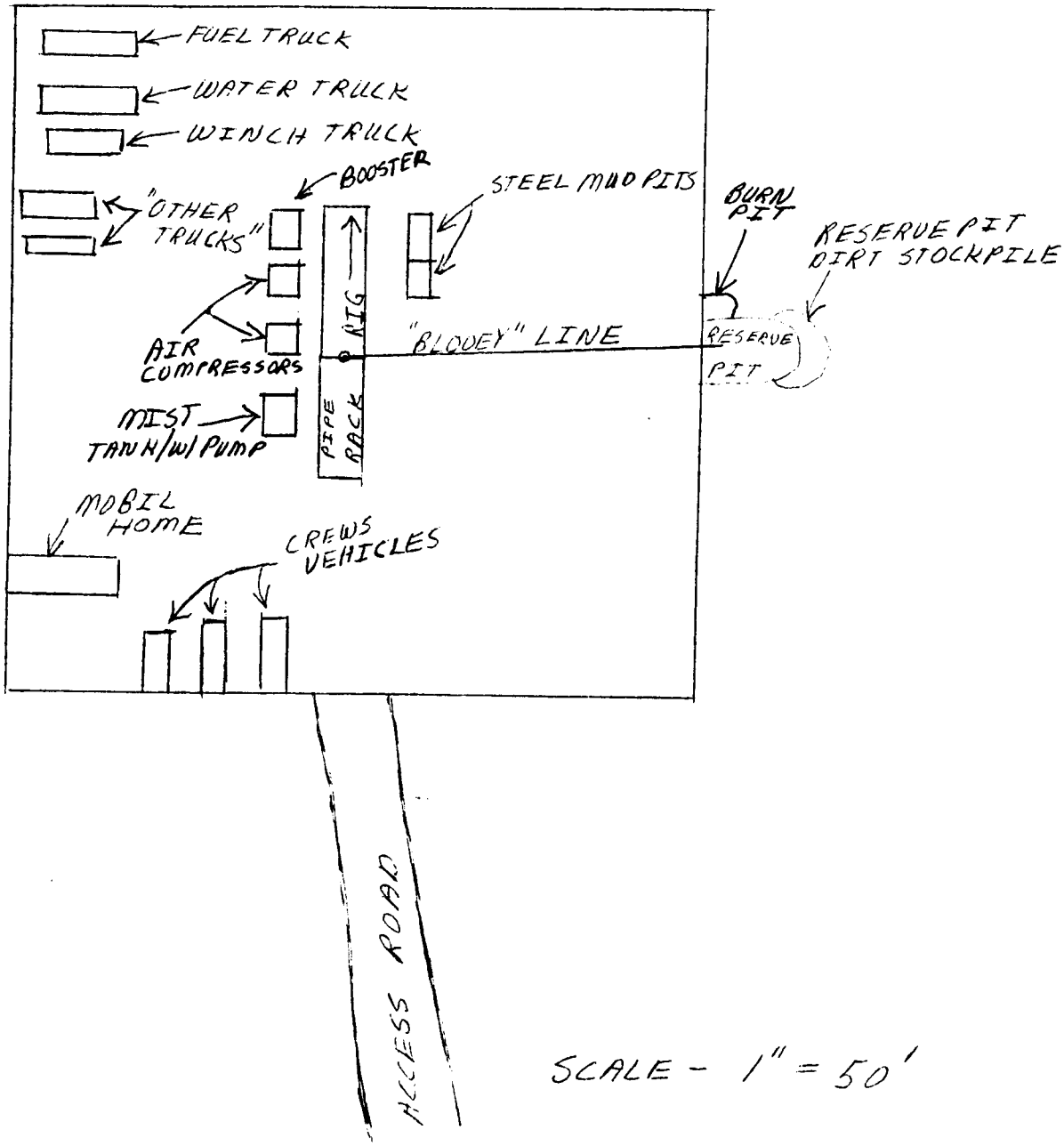
DRILL PAD— SCALE 1"=50'

CUT/FILL SECTIONS NOT DRAWN TO SCALE

EAST/WEST CROSS SECTION

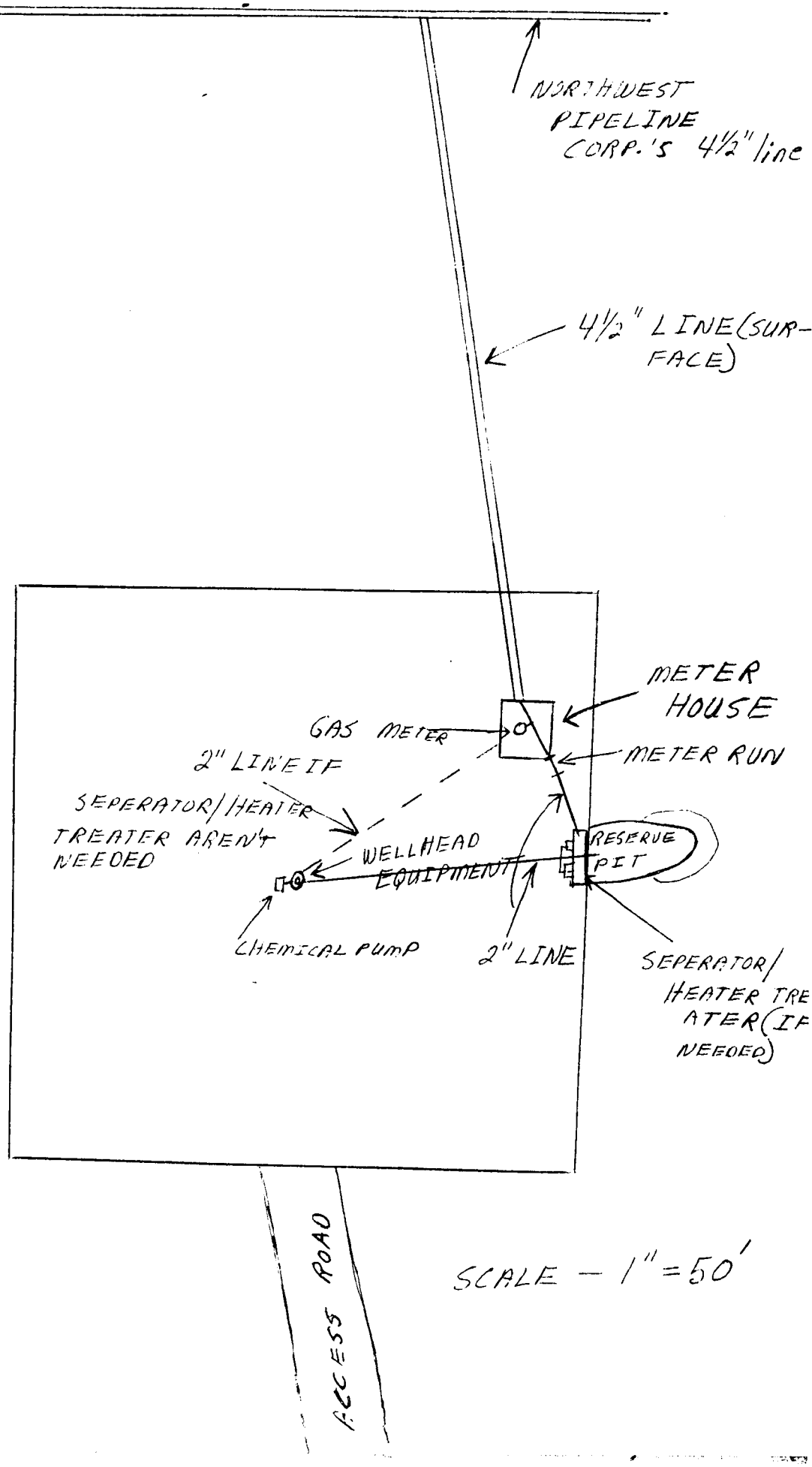
DRILL PAD LAYOUT FOR BOWERS FEDERAL WELL #1-34

N



SCALE - 1" = 50'

PROPOSED PRODUCTION FACILITIES FOR BOWERS FED. WELL #1-34



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: May 21, 1979

Operator: Bowers Oil & Gas Exploration, Inc.

Well No: Bowers Federal 1-34

Location: Sec. 34 T. 19S R. 23E County: Grand

File Prepared: / / Entered on N.I.D.: /√/

Card Indexed: /√/ Completion Sheet: /√/

API Number: 43-019-30513

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M. J. Minder 11-8-79

Remarks: Unorthodox location Called 5-25-79 Jim Bowers will change location - Called J. Bowers 10-1-79 he will change location to fit 102-16

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

#3

Bond Required: / / Survey Plat Required: / /

Order No. 102-16 ~~102-5 Nov 2 64~~ Surface Casing Change / /
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site / /

O.K. Rule C-3 / / O.K. In _____ Unit

Other:

ll
PI plotted

/√/ Letter Written/Approved

SANTA FE ENERGY COMPANY
ODC DIVISION / AMERICAN NATIONAL BANK BLDG., P.O. BOX 12058, AMARILLO, TX 79101, TELEPHONE: (806) 376-5741

July 26, 1979

UT-13-2

Bowers Oil & Gas Exploration, Inc.
P.O. Box 636
Grand Junction, Colorado 81501

Attn: Mr. James E. Bowers

Dear Mr. Bowers:

Santa Fe Energy Company, formerly Oil Development Company of Texas, does not have any objection to the staked location of 367' FSL and 735' FEL of Sec 34, T19S, R23E, 5 LB&M, Grand County, Utah for the Bowers Federal Well #1-34.

Sincerely,

D.D. Oswald, Jr.
Production Superintendent

DO:kw

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, CO. 81501
Bus: 303-245-1342
Res: 303-242-6311

July 30, 1979

Utah Oil and Gas Commission
1588 W. N. Temple
Salt Lake City, Utah 84116

Attention: Mr. Cleon Fite

RE: Bowers Federal Well #1-34,
sese sec. 34, T19S, R23E,
Grand County, Utah

Dear Mr. Fite:

Several months ago Mr. Minder informed us a permit for the captioned well could not be issued because the location was within 200 feet of a ¼ ¼ ¼ line. Because of extreme topographical conditions, steep dropoffs on all sides, we request on exception to field rule #2-2 cause #102-5 be issued. We request the location, as applied for, be allowed to stand. They only lease within a 660 feet radius not in common with the lease under the proposed location is lease #19037 owned by Santa Fe Energy Co. (formerly Oil Development Co. of Texas). This lease is in sec. 3, T20S, R23E. Sante Fe has no objections to our request (see enclosed letter).

Very truly yours,

James E. Bowers

James E. Bowers
President

JEB/bz
Enclosure

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, CO. 81501
Bus: 303-245-1342
Res: 303-242-6311

August 20, 1979

Utah Oil and Gas Commission
1588 W. N. Temple
Salt Lake City, Utah 84116

Attention: Mr. Minder

RE: Exception for location for
Bowers Federal Well #1-34,
Sec. 34, T19S, R23E,
Grand County

Dear Mr. Minder:

Approximately three weeks ago we wrote your office explaining our need for a location exception for the captioned well. Since we need to begin drilling in a short while I was wondering when this request would be acted upon? If there is any other information you need please contact me.

Very truly yours,

James E. Bowers

James E. Bowers
President

JEB/bz

August 28, 1979

Bowers Oil and Gas Exploration, Inc.
PO Box 636
Grand Junction, Colorado 81501

Re: Well No. Bowers Federal 1-34
Sec. 34, T. 19S., R. 23E.,
Grand County, Utah

Dear Sir:

We request that you examine your APD on the above referenced well to see it it meets the requirements of Cause No. 102-16 which amends Field Rules 1-2 and 2-2. A copy of the memorandum on the order issued by the Board of Oil, Gas and Mining has been included for your information. Should you wish to pursue this application, please furnish additional information required under Cause No. 102-16 and if necessary, make application to appear before the Board.

If in view of the rule changes you choose to resubmit or withdraw your application, please inform this office so thatt we may know your decision and act upon it.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

MTM:btm

Enc.

cc

Form 9-331
(May 1963)

NITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN PLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Proposed well APD

2. NAME OF OPERATOR
Bowers Oil and Gas Exploration, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 636, Grand Junction, Colorado 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1780' FEL; 1120' FSL

5. LEASE DESIGNATION AND SERIAL NO.
#14267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

9. WELL NO.
Bowers Federal Well #1-34

10. FIELD AND POOL, OR WILDCAT
Unnamed field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
sec. 34, T19S, R23E, SLB&M

14. PERMIT NO.
N/A

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4958' GR

12. COUNTY OR PARISH
Grand

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	X	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Due to a change in the State of Utah spacing regulations for this area we will have to change the location of Bowers Federal Well #1-34 from 735' FEL; 367' FSL originally proposed to 1780' FEL; 1120' FSL.

Because there is nothing substantially different between the two drill sites we strongly feel there is no need for anotner onsite inspection. Attached are a survey plat of the newly proposed location and a new cut/fill diagram. Also included are a new drill pad layout and a new production facilities diagram.

18. I hereby certify that the foregoing is true and correct

SIGNED James E. Bowers TITLE President DATE 10-4-79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Proposed well APD

2. NAME OF OPERATOR
Bowers Oil and Gas Exploration, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 636, Grand Junction, Colorado 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1780' FEL; 1120' FSL

5. LEASE DESIGNATION AND SERIAL NO.
#14267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

9. WELL NO.
Bowers Federal Well #1-34

10. FIELD AND POOL, OR WILDCAT
Unnamed field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
sec. 34, T19S, R23E, SLB&M

14. PERMIT NO.
N/A

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4958' GR

12. COUNTY OR PARISH
Grand

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	X	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Due to a change in the State of Utah spacing regulations for this area we will have to change the location of Bowers Federal Well #1-34 from 735' FEL; 367' FSL originally proposed to 1780' FEL; 1120' FSL.

Because there is nothing substantially different between the two drill sites we strongly feel there is no need for anotner onsite inspection. Attached are a survey plat of the newly proposed location and a new cut/fill diagram. Also included are a new drill pad layout and a new production facilities diagram.

RECEIVED
OCT 12 1979
DIVISION OF OIL, GAS, & MINING

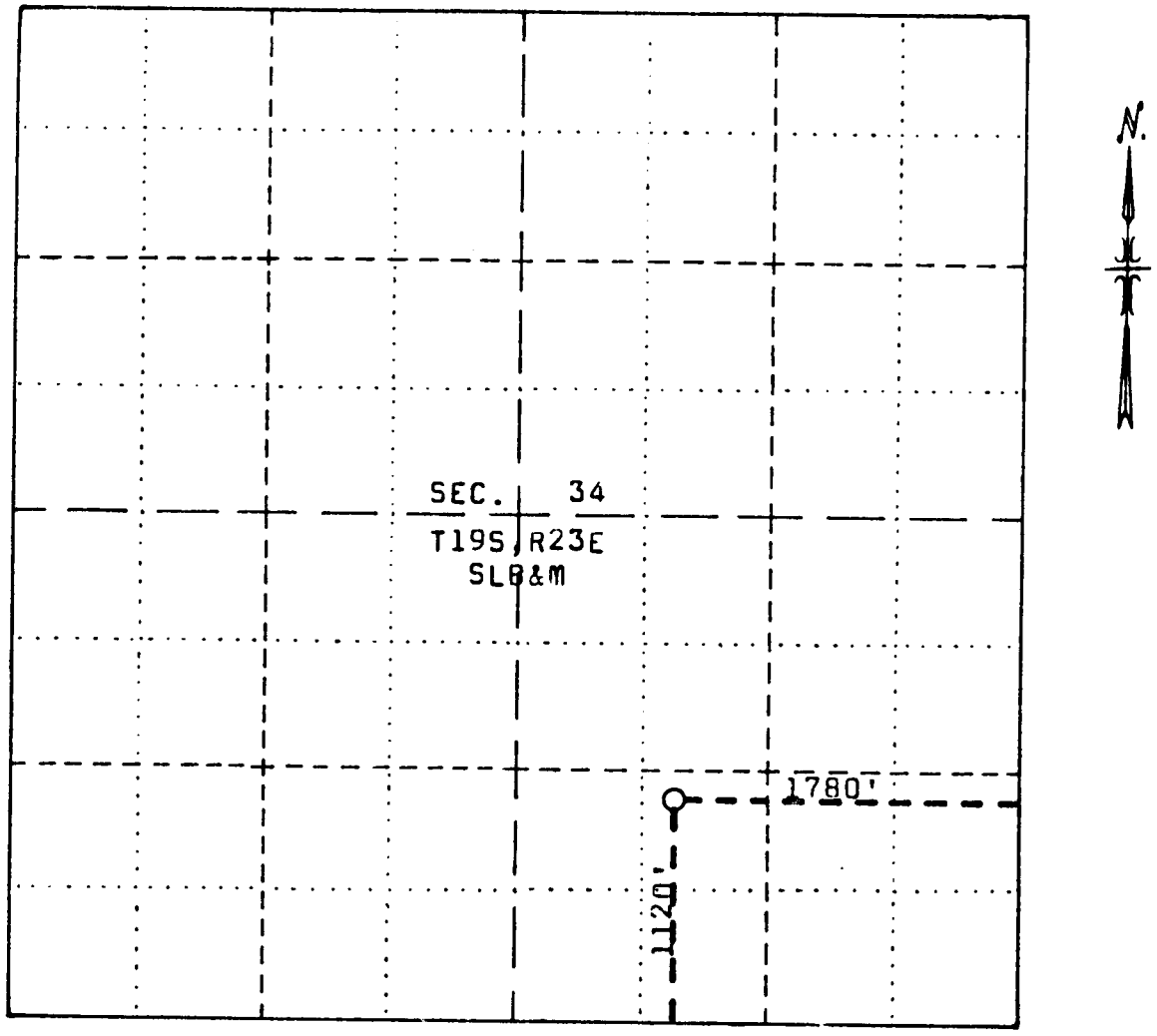
18. I hereby certify that the foregoing is true and correct

SIGNED James E. Bowers TITLE President DATE 10-4-79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



SCALE: 1" = 1000'

BOWERS FEDERAL WELL #1-34

Located North 1120 feet from the South boundary and West 1780 feet from the East boundary of Section 34, T19S, R23E, SLB&M.

Elev. 4958

Grand County, Utah

REGISTERED LAND SURVEYOR No. 2573 UDELL S. WILLIAMS STATE OF UTAH

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

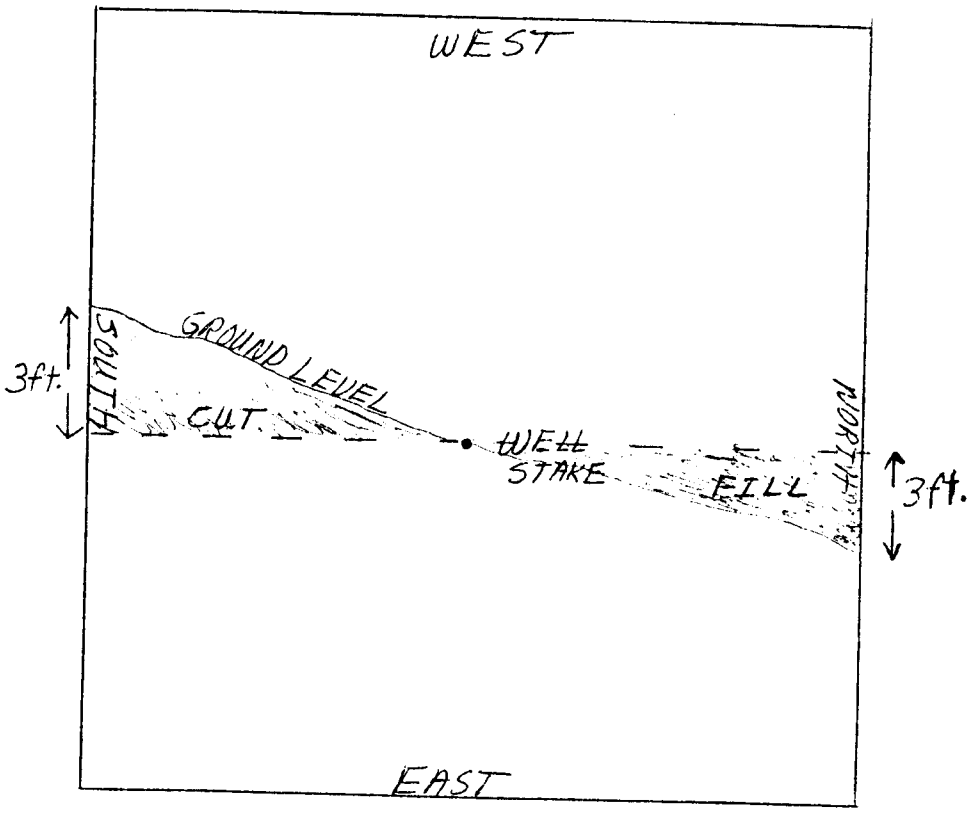
UTAH R.L.S. NO. 2573

UDELL S. WILLIAMS
751 Rood Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION
BOWERS FEDERAL WELL #1-34
SW¼SE¼ SECTION 34
T19S, R23E, SLB&M

SURVEYED BY: USW DATE: 9/26/79
DRAWN BY: USW DATE: 10/02/79

CUT/FILL DIAGRAM FOR WELL #1-34



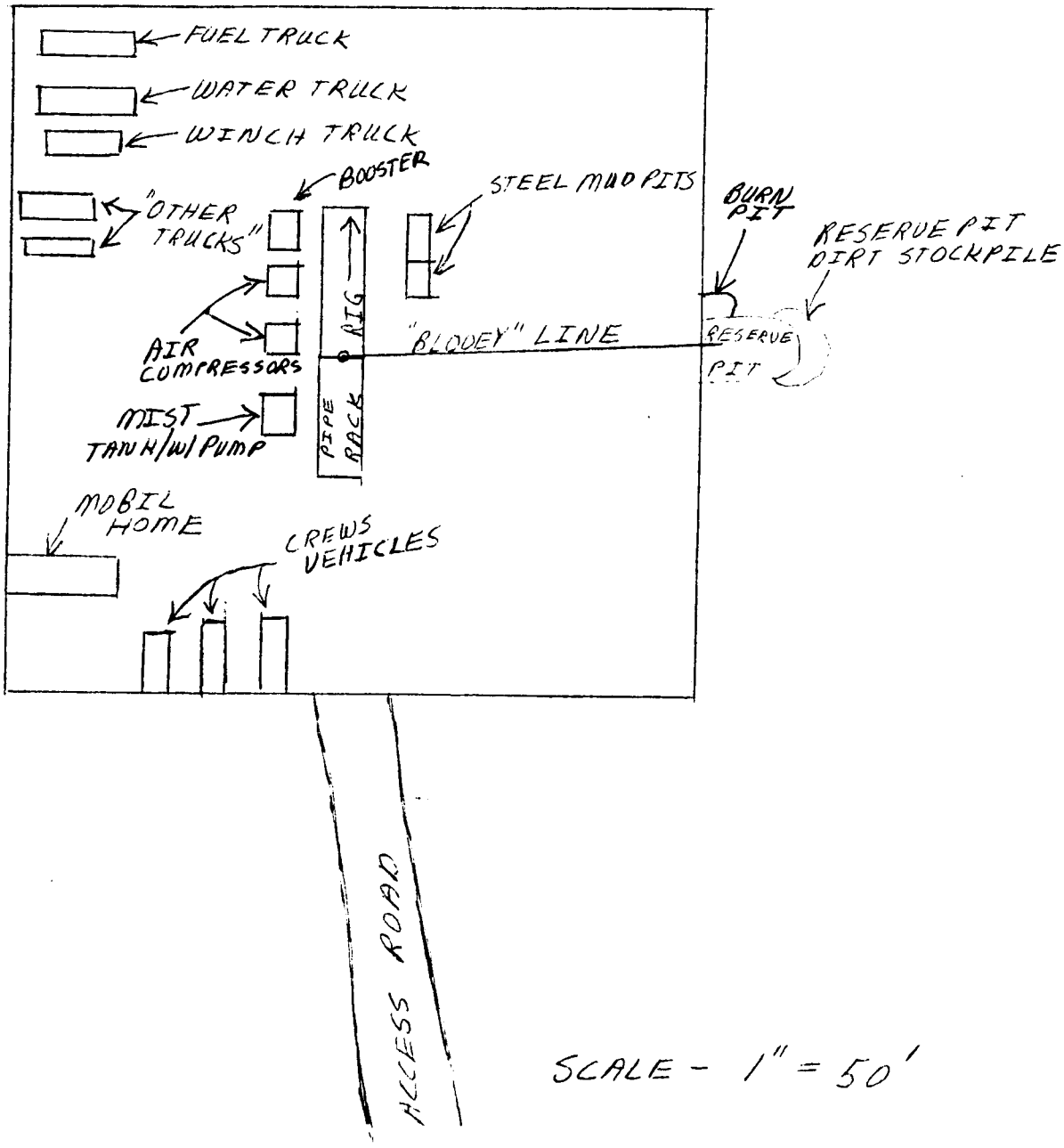
DRILL PAD— SCALE 1"=50'

CUT/FILL SECTIONS NOT DRAWN TO SCALE

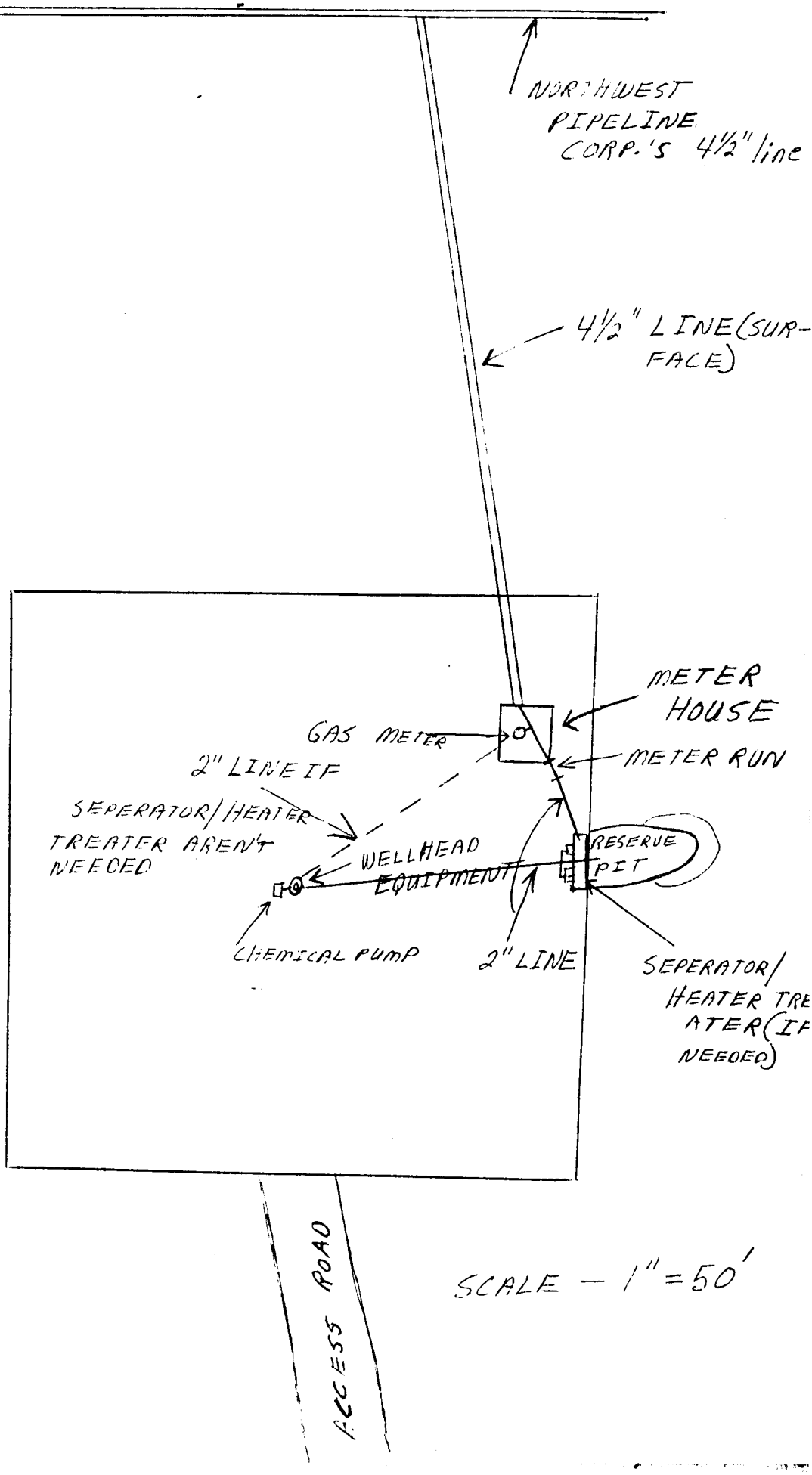
EAST/WEST CROSS SECTION

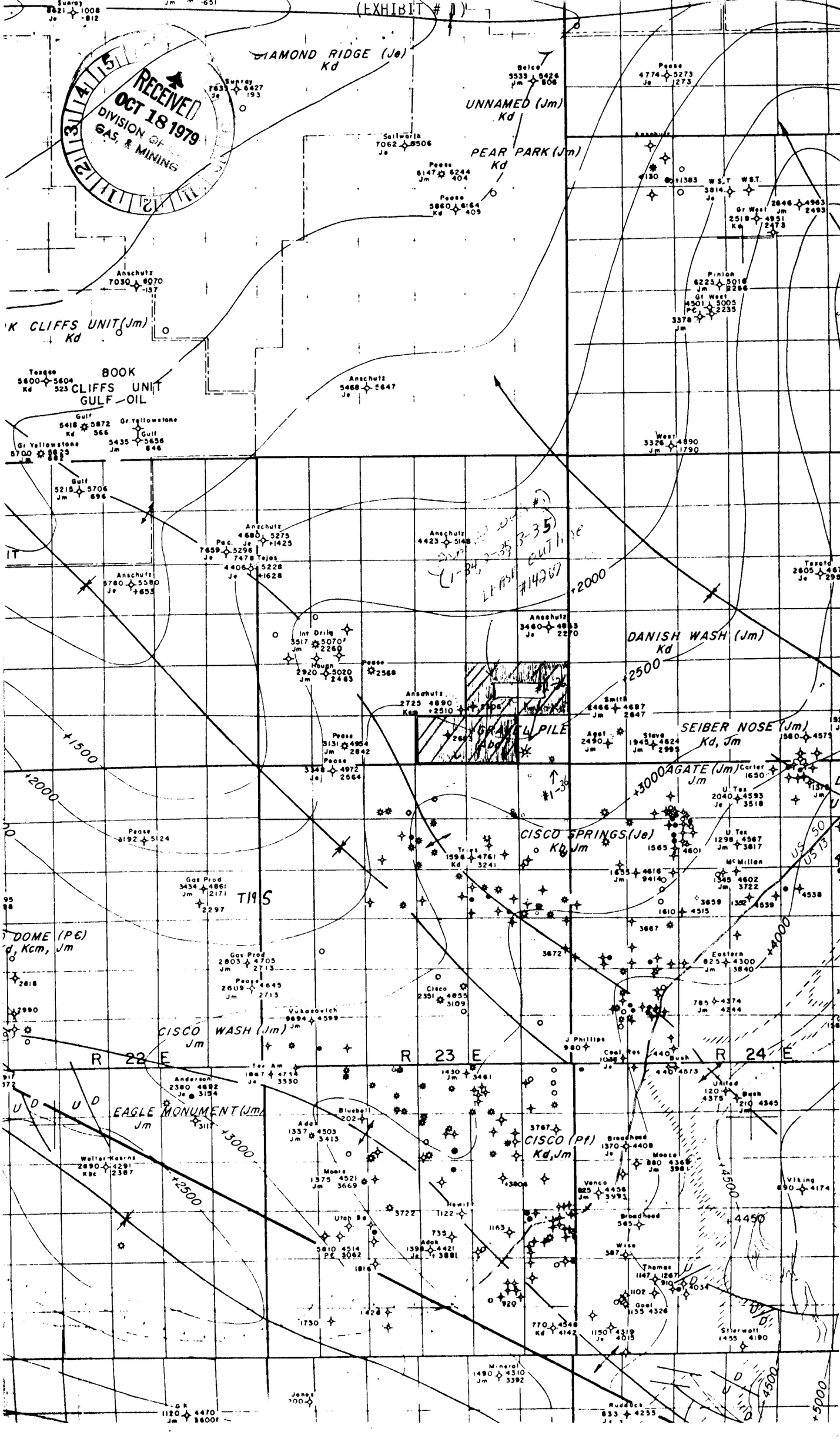
DRILL PAD LAYOUT FOR BOWERS FEDERAL WELL #1-34

N



PROPOSED PRODUCTION FACILITIES FOR BOWERS FED. WELL #1-34




(EXHIBIT # D)
RECEIVED
OCT 18 1979
DIVISION OF
GAS & MINING
DIAMOND RIDGE (Je)
Kd
UNNAMED (Jm)
Kd
PEAR PARK (Jm)
Kd
K CLIFFS UNIT (Jm)
Kd
BOOK CLIFFS UNIT
GULF-OIL
DANISH WASH (Jm)
Kd
SEIBER NOSE (Jm)
Kd, Jm
AGATE (Jm)
Jm
CISCO SPRINGS (Je)
Kd, Jm
CISCO WASH (Jm)
Jm
CISCO (Pf)
Kd, Jm
EAGLE MONUMENT (Jm)
Jm
GRAVEL PILE
ADD
DOME (PE)
Kcm, Jm
T19S
R 22 E
R 23 E
R 24 E
+1500
+2000
+2500
+3000
+3500
+4000
+4500
+5000
4450
US 50
US 13

November 15, 1979

Bowers Oil and Gas Exploration, Inc.
P.O. Box 636
Grand Junction, Colorado 81502

Re: Well No. Bowers Federal 1-34
Sec. 34, T. 19S, R. 23E.,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Caase No. 102-16 dated August 22, 1979.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30573.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Mihhael T. Minder
Geological Engineer

/btm

cc: USGS

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

November 21, 1979

James E. Bowers
Box 636
Grand Junction, Colo. 81501

Gentlemen:

Attached is a copy of the final order in Cause No. 102-16B.

You will note that this order requires a copy of the property or lease line to be filed with the Application for Permit to Drill. If this only covers the pertinent section, so state.

No new Applications for Permit to Drill will be granted unless all required forms on existing wells are up to date. Also, some operators have not been submitting their 2 mill conservation levy as authorized under Section 40-6-14, Utah Code Annotated, 1953, as amended. The required sales report, Form 5, may be obtained upon request from this office.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

/btm

cc Well Files

Form 9-331 C
(May 1963)

SUBMIT IN T ICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE COPY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-14267
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT AGREEMENT NAME: N/A
8. FARM OR LEASE NAME: N/A
9. WELL NO.: Bowers Federal Well #1-34
10. FIELD AND POOL, OR WILDCAT: Unnamed Field
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 34, T19S, R23E, SLB&M

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Bowers Oil and Gas Exploration, Inc.

3. ADDRESS OF OPERATOR: P. O. Box 636, Grand Junction, Colorado 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1780' FEL, 1120' FSL
At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 10 miles north by northwest of Cisco, Utah

12. COUNTY OR PARISH: Grand
13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1120'
16. NO. OF ACRES IN LEASE: 2240
17. NO. OF ACRES ASSIGNED TO THIS WELL: 160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: more than 2640 ft.
19. PROPOSED DEPTH: 2600
20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4958' GR
22. APPROX. DATE WORK WILL START*: 15 Dec., 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	20 lbs.	200'	60 sx. Class G; 3% CaCl
6 1/4"	4½"	9.5 lb.	2600'	60 sx. RFC, 10-2

SEE ATTACHED PAPER

RECEIVED
DEC 11 1979
DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED James E. Bowers TITLE President DATE 11-20-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY G. P. Martin TITLE ACTING DISTRICT ENGINEER DATE DEC 10 1979

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Utah State oil & Gas

TO OPERATORS COPY

U. S. GEOLOGICAL SURVEY — CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U 14267

OPERATOR: Bowers Oil + Gas Exploration WELL NO. 1-34

LOCATION: ¼ SE ¼ SE ¼ sec. 34, T. 19 S, R. 23 E, SLM

Grand County, Utah

1. Stratigraphy: Mancos shale - surface

Dakota - 2100
Cedar Mtn 2200
Morrison - 2300

2. Fresh Water: none probable.

3. Leasable Minerals:

gas possible in Dakota, Cedar Mtn + Morrison

4. Additional Logs Needed:

adequate

5. Potential Geologic Hazards:

none expected

6. References and Remarks:

Signature: _____ Date: 6-1-79

Oil and Gas Drilling EA #353-79

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Lease No.: U-14267

Operator: Bowers Oil & Gas Exploration, Inc. Well No.: 1-34

Location: 1780' FEL & 1120' FSL Sec.: 34 T.: 19S. R.: 23E.

County: Grand State: Utah Field: Wildcat

Status: Surface Ownership: Public Minerals: Federal

Joint Field Inspection Date: November 14, 1979

Participants and Organizations:

Bob Kershaw	BLM-Moab
Jim Bowers	Operator
Glenn Doyle	USGS-Grand Junction

Related Environmental Analyses and References:

(1) Book Mountain Planning Unit, Resource Analysis. BLM, Moab

Analysis Prepared by: Glenn M. Doyle
Environmental Scientist
Grand Junction, Colorado

Date: December 7, 1979

Pad 200' x 200'
Pit 30' x 50'
access 18' x 800'
2 acres
mitigators (A-C) p. 7

Proposed Action:

On May 21, 1979, Bowers Oil and Gas Exploration, Inc. filed an Application for Permit to Drill the No. 1-34 development well, a 2550 ft. gas test of the Dakota, Cedar Mountain and Morrison Formation; located at an elevation of 4965 ft. in the SE¼ SE¼ of Section 34, T. 19S., R. 23E. on Federal mineral lands and public surface; lease No. U-14267.

An onsite for this location was conducted and an environmental analysis written. Approval was granted on July 5, 1979.

Subsequent to this action, the State of Utah changed its spacing regulations covering the area. In response to this action, Bowers filed a Sundry Notice on October 4, 1979 detailing a location move of 1045 ft. to the West and 753 ft. to the North.

A second onsite was conducted on November 14, 1979. The operator was informed that a new APD was required for any location moves greater than 200 ft. The operator agreed to submit a new APD.

This environmental analysis, then, applies to the second onsite conducted and to the new APD that has been submitted.

The new location for the Bowers Well No. 1-34 is at 4958 ft. elevation, 1780' FEL and 1120' FSL, Section 34, T. 19S., R. 23E., Grand County, Utah. There was no objection raised to either the wellsite or the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BLM, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 200 ft. wide x 200 ft. long and a reserve pit 30 ft x 50 ft. A new access road would be constructed 18 ft. wide x approximately 800 ft. long from couater-maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is December, 1979 and duration of drilling activities would be about 7 days.

If production is established, a 4½" surface flowline would be constructed approximately 100 ft. to the North, connecting with a North-west Pipeline surface gathering system.

Location and Natural Setting:

The proposed drill site is approximately 10 miles North, Northwest of Cisco, Utah, the nearest town. A fair road runs to within 800 ft. of the location. This well is in a Wildcat field.

Topography:

The wellsite lies in the Cisco Desert which is characterized by generally flat terrain interspersed with rolling hills.

Geology:

The surface geology is Mancos shale.

The soil is a sandy-clay.

No geologic hazards are known near the drillsite.

Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinyon-juniper association is also present.

8" of top soil will be stockpiled on the South end of the pad, on both sides of the access road. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 2 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated. However, if H_2S or any other toxic substances are encountered, the USGS is to be notified immediately.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occuring predominately from Southwest to Northeast. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature

variations on a daily and seasonal basis.

Surface Water Hydrology:

Drainage from the location would be towards Cottonwood Wash, a non-perennial tributary of the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

A sparse cover of shadscale, four wing saltbush, sagebrush, cacti and grasses are present at the location and along the access route.

Proposed action would remove about 2 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Rehabilitation would be conducted in accordance with BLM recommendations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

To protect wildcat and livestock from possible toxic fluids, the reserve pit would be 4-strand barbed wire fenced on three sides during drilling and on four sides once the rig has moved off.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A covered trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

(1) Not approving the proposed permit-The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

A. Operator will stockpile 8" of top soil on the South end of the pad on both sides of the access road.

B. Operator will fence reserve pit with 4-strand barbed wire on three sides during drilling and on four sides once the rig has moved off.

C. Operator will maintain blooie line at least 125 ft. away from the well head and direct it into the reserve pit.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 2 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable committment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the Cottonwood Wash would exist through leaks and spills.

If the well is a producer, other development wells would be anticipated with substantially greater environmental and economic impacts.

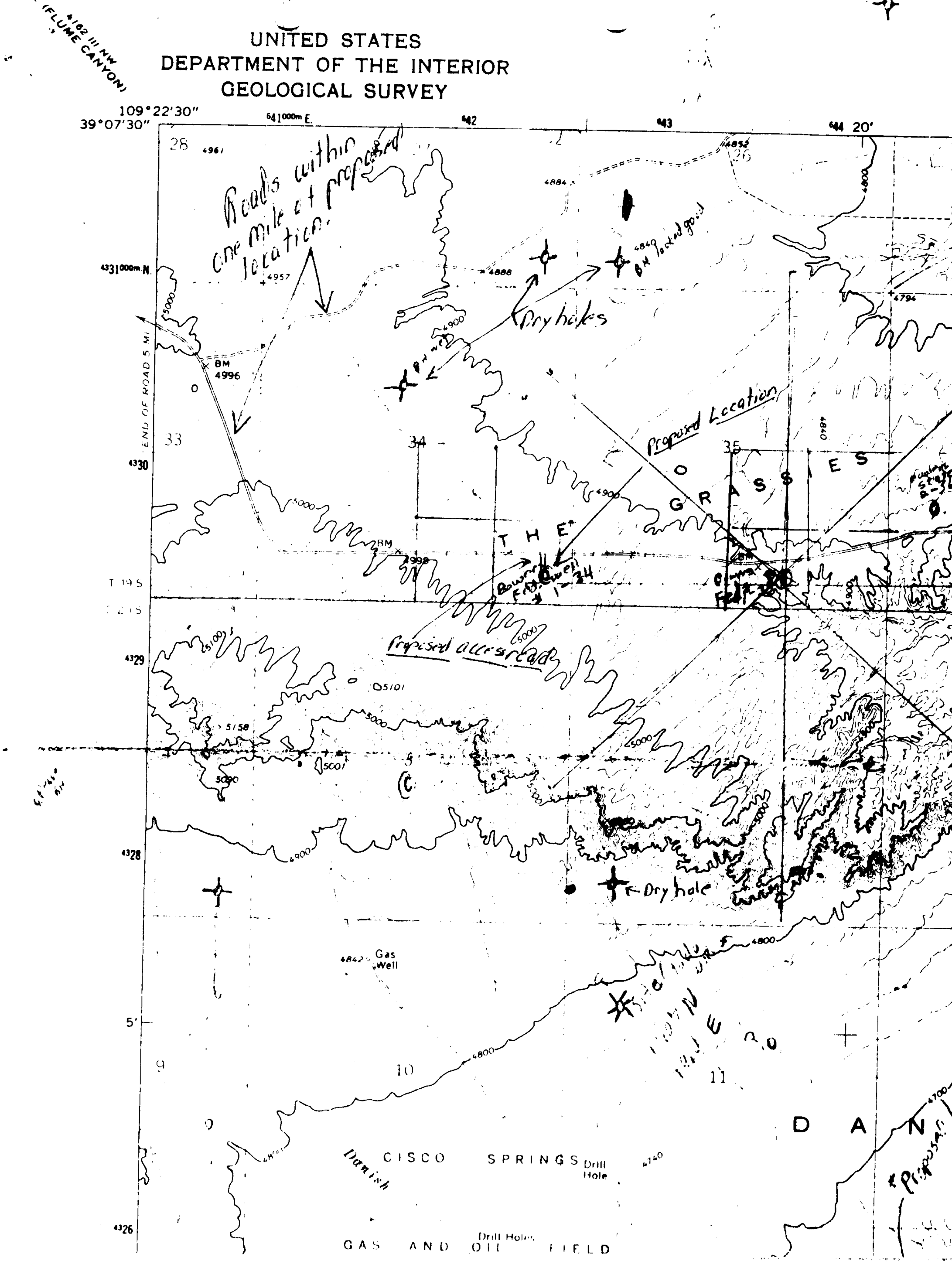
Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102 (2) (C).

DEC 10 1979
Date

W P Martens
ACTING District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

Bowers #1-84


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
4162 III NW (FLUME CANYON)
109°22'30"
39°07'30"
641000m E.
642
643
644 20'
4331000m N.
4330
4329
4328
5'
4326
T 19 S
T 20 S
END OF ROAD 5 MI.
BM 4996
BM 4998
Roads within one mile of proposed location.
Dry holes
DH locked good
Proposed Location
Proposed access road
Bowers Fed. Well #1-34
THE GRASSIES
Dry hole
Gas Well
CISCO SPRINGS
Drill Hole
Danish
GAS AND OIL FIELD
D A N

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, CO. 81501
Bus: 303-245-1342
Res: 303-242-6311

SURFACE USE PLAN (NTL-6)

1. Existing Roads - (see attached map).

   a. Proposed well site is marked. 200 ft., north, south directioned reference stakes have been laid.

   b. Route and distance from nearest town or locatable reference point to where well access route leaves main road -

   From Grand Junction, CO. you take I-70 west until you come to the east Cisco exist (a distance of approx. 50 miles). You turn right off of the exit and proceed in a northerly direction for approx. 5 miles. This distance will have brought you to our access road where you turn left and travel about 300 ft. to the proposed location.

   c. Access road to location color- coded or labeled -

   Access road is labled (see attached map).

   d. If exploratory well, all existing roads within 3-mile radius

   N/A.

   e. If development well, all existing roads within a 1-mile radius of well site (including type of surface, conditions, etc.)

   There are two such roads. The first is a light duty, hard surface road. It is the road described in 1.b. above. It is located approx. 300 ft. from the proposed location (see attached maps). The second is an unimproved dirt road located approx. one mile NE of the proposed location. This road begins in section 33 where it exits the other existing road. This second road runs in a SW/NE direction (see attached map.)

   f. Plans for improvement and/or maintenance of existing roads -

   There are no plans for improvements and/or maintenance of existing roads.

2. Planned Access Roads

Enclosed is a map showing the one access road which needs to be constructed. No access road needs to be reconstructed.

(1) Width - The road will be 15-18 ft. wide.

(2) Maximum grade - The maximum grade will be 3%.

Planned Access Roads (cont.)

(3) Turnouts - No turnouts will be needed.

(4) Drainage design - None needed.

(5) Location and size of culverts and brief description of any major cuts and fills - No culverts are needed. No major cuts or fills are needed, (See attached diagram).

(6) Surfacing material - No foreign material will be put on the access road. The native soil will provide an adequate surface.

(7) Necessary gates, cattleguards, or fence cuts - No gates nor cattleguards will need to be built. No fences will need to be cut.

(8) The access road is center-line flagged.

3. Location of Existing Wells

The following is a list of various types of wells located within a one-mile radius of the location: (also, see attached map)

(1) Water wells - There are no water wells within the one-mile radius.

(2) Abandoned wells -
a. SW¼ sec. 2, T20S, R23E
b. NW¼ sec. 34, T19S, R23E
c. SE¼ sec. 27, T19S, R23E
d. SW¼ sec. 26, T19S, R23E

(3) Temporarily abandoned wells - There are no temporarily abondoned wells within a one-mile radius.

(4) Disposal Wells - There are no disposal wells within a one-mile radius.

(5) Drilling Wells - There are no drilling wells within a one-mile radius.

(6) Producing Wells - There are no producing wells within a one-mile radius.

(7) Shut-in Wells - There are no shut-in wells within a one-mile radius.

(8) Injection Wells - There are no injection wells within a one-mile radius.

(9) Monitoring or observation wells for other resource - There are no monitoring or observation wells for other resources within a one-mile radius.

4. Location of Existing and/or Proposed Facilities-

A. Within a one-mile radius of location show the following existing facilities owned or controlled by operator/lessee.

(1) Tank batteries - None owned or controlled by operator/lessee.

(2) Production facilities - None owned or controlled by operator/lessee.

(3) Oil gathering lines - none owned or controlled by operator/lessee.

(4) Gas gathering lines - None owned or controlled by operator/lessee.

(5) Injection lines - None owned or controlled by operator/lessee.

(6) Disposal lines - None owned or controlled by operator/lessee.

(Indicate if any of the abovelines are buried) - N/A

B. If new facilities are contemplated, in the event of production, show:

(1) Proposed location and attendant lines by flagging if off of well pad - Flagged stakes from the well location to N.W. Pipeline Co.'s feeder line has been set. This route would be the proposed gas pipeline route if commercial natural gas is found.

(2) Dimensions of facilities - A gas-meter housing facility would be no more than 50' x 50'. It's purpose would be for measuring the volumn of gas produced. A 4½" pipeline (buried) would run from this meter station to N.W. Pipeline's gathering system on the route described in B.1. above. Approx. five feet on either side of the pipeline route would be needed for installation.

(3) Construction methods and materials - The meter house would be a metal, pre-fabricated structure painted desert gold. Inside would be valves, fittings, meter runs, chart, etc. needed to measure the volumn of gas. The pipeline would be 4½" O.D. pipe.

(4) Protective measures and devices to protect livestock and wildlife - It is believed neither the wellhead, nor the meter house nor the pipeline would present a danger to wildlife. If water is produced a 4 ft. fence w/steel posts will be built around the reserve pit. (We do not anticipate encountering oil. If commercial oil is found, however, we will present a proposed oil production facility by use of a sundry notice.)

C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction completed - We plan to contour all of the topsoil back over the disturbed areas that is no longer needed after operations are ended. We will then reseed in a quantity, method and with the type of seed the BLM recommends.

5. Location and type of Water Supply

A. Show location and type of water supply either on map or by written description - We will obtain fresh water from the Colorado River north of Cisco, Utah or from a drinking water tap in Fruita, CO. Fruita, CO. is located west of Grand Junction, as described above and also exits off I-70. Cisco, Utah can be reached by turning left off the east Cisco exit (as you travel west on I-70). Go approx. 3½ miles south on highway 50. The turnoff to the River is approx. ~~is~~ ½ mile from Cisco. You turn left off of highway 50 on an unimproved dirt road and travel approximately 3 miles.

B. State method of transporting water, and show any roads or pipelines needed - We will transport water by water truck. The roads needed are described in 5.A. No new roads will be constructed. No pipelines will be needed.

C. If water well is to drilled, so state - No water well will be drilled.

6. Source of Construction Materials -

A. Show information either on map or by written description - No entraneous material will be brought in. The native soil will be used as the pad base.

B. Identify if from Federal or Indian land - N/A

C. Describe where materials, such as sand, gravel, stone and soil material, are to be obtained and used - As explained in 6.A. the native soil will be used as the pad base. We will not use other materials such as sand, gravel or stone.

D. Show any needed access roads crossing Federal or Indian lands under item 2 - The only access road will be the one described in (2). It will cross Federal land. (See attached map.)

7. Methods for Handling Waste Disposal - (Describe methods and location of proposed containment and disposal of waste material, including):

(1) Cuttings - We will blow the cuttings into a reserve pit (the pit is shown on the attached diagram.)

(2) Drilling fluids - The drilling fluids will be contained in two large steel tanks. The fluids will be disposed into the reserve pit when drilling operations are over.

(3) Produced fluids - (oil, water) - Produced water will be run into the reserve pit. Oil will also be disposed into the reserve pit unless a large enough amount is produced. If a large amount is produced we will contain it in steel tanks.

(4) Sewage - Will be disposed of by use of toilet facilities in a mobile home or use of facilities in Cisco, Utah.

(5) Garbage or other waste material - Will be contained in plastic bags and taken from site when operations end or burned/buried in a trash/burn pit which will be fenced with small mesh wire.

(6) Statement regarding proper cleanup of well site area when rig moves out We will completly clean-up site within two (2) days after rig moves out.

8. Ancilliary Facilities - No camps or airstrips will be needed.

9. Well Site Layout - (See attached plot). Pits will be unlined.

10. Plans for Restoration of Surface -

(1) Backfilling, leveling, contouring, and waste disposal; segregation of spoils materials as needed - All pits will be backfilled. We will contour the topsoil, no longer needed, over that portion of the pad which is no longer needed. The fluids contained in the reserve pit will be buried as will the trash in the trash/burn pit. Appreciable amounts of waste or produced fluids will be hauled from the site rather than buried.

(2) Revegetation and rehabilitation - We will reseed all disturbed areas, including the access road, in a manner and with the type and quantity

(2) cont.
of seed that BLM directs.

(3) Prior to rig release, pits will be fenced and so maintained until clean up.

(4) If there is oil on pit we will remove oil or install overhead flagging.

(5) We will commence rehab. operations within one week after operations end and complete rehab. within one week after starting rehab. (except for reseeding which will be done when BLM so directs).

11. Other Information

(1) Topography, soil characteristics,geologic features, flora and funa - The location is on a mesa located approx. ½ mile north of a steep drop-off (see attached map). The soil in this area varies from that containing appreciable amounts of clays to a sand/gravel mixture. The plant life consists mainly of sagebrush with small amounts of native grass. The animal life consists of prairie dogs and jack rabbits.

(2) Other surface - use activities and surface ownership of all involved lands - The surface land is used for winter grazing of sheep and cattle. The surface land is federally owned.

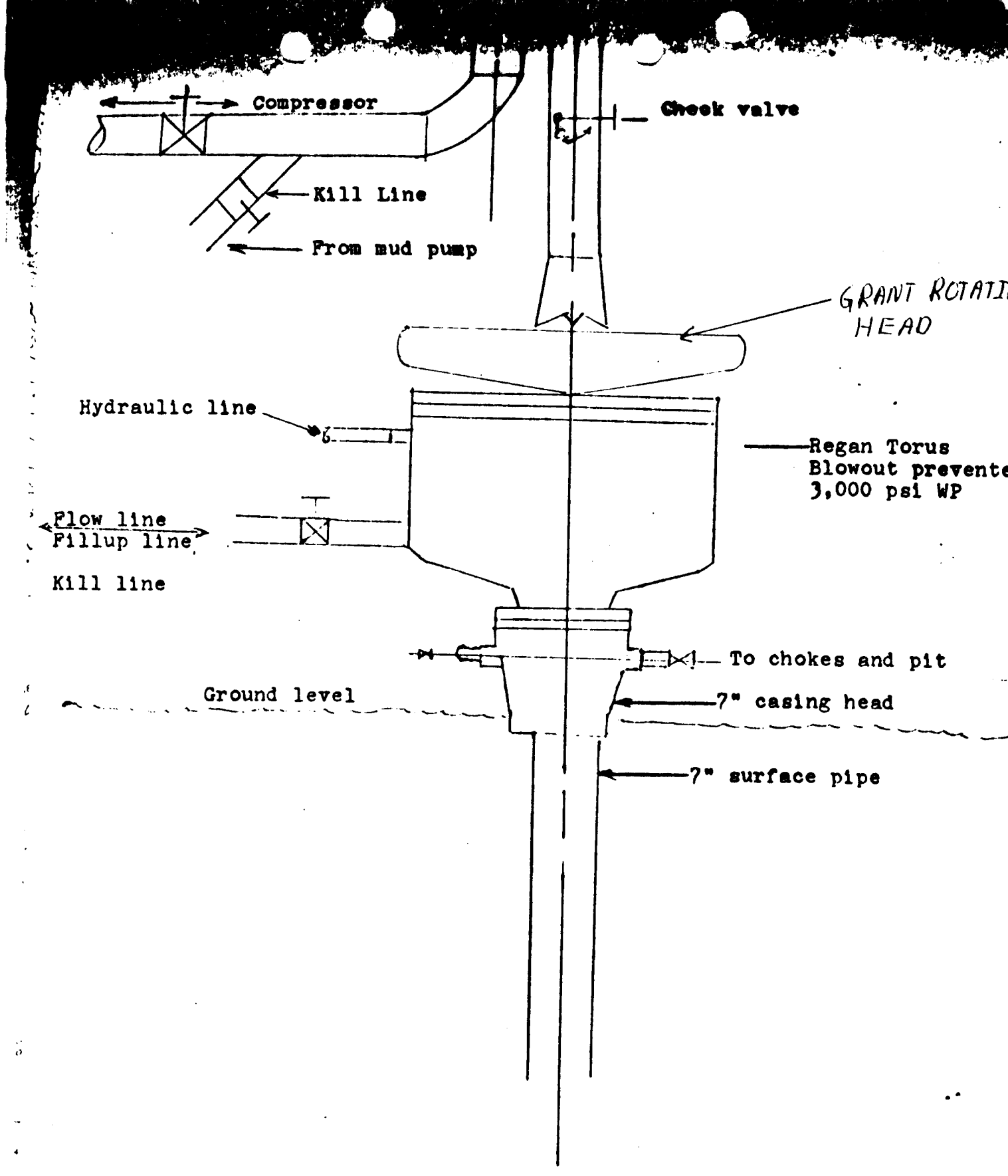
(3) Proximity of water, occupied dwellings, archeological, historical or cultural sites - The only water supply in the area is Cisco Springs, located approximately three miles SE of the proposed location. The only occupied dwellings are located in Cisco, Utah, the distance and route to are describe above (5). There are no archeological, historical or cultural sites in the area.

12. Lessee's or operator's representative - The operator's representative is James E. Bowers, P.O. Box 636, Grand Junction, Colorado 81501, telephone number: 303-245-1342.

13. Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Bowers Oil and Gas Exploration, Inc, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4/25/80
Date

James E. Bowers, President, Bowers Oil and Gas Exploration, Inc.


Compressor
Check valve
Kill Line
From mud pump
GRANT ROTATI
HEAD
Hydraulic line
Regan Torus
Blowout prevente
3,000 psi WP
Flow line
Fillup line
Kill line
To chokes and pit
Ground level
7" casing head
7" surface pipe

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, CO. 81501
Bus: 303-245-1342
Res: 303-242-6311

NTL-6

1. Geologic name of surface formation - mancos shale.

2. Estimated tops of important geologic markers -

   a. Dakota - 2100 ft.
   b. Morrision- 2300 ft.
   c. Morrison (salt wash member)-2500 ft.

3. The estimated depths at which anticipated water, oil, gas or other mineral - bearing formations are expected to be encountered -

   a. Dakota, 2100 ft., gas or water is expected.
   b. Cedar Mountain, 2200 ft., gas is expected.
   c. Morrison (salt wash member), 2500 ft., gas or water is expected.

4. The proposed casing program, including the size, grade, and weight/ft. of each string and whether new or used.

   a. The surface pipe will be new and graded H-40. Other information regarding this pipe is listed in #23, first page of APD.
   b. The production pipe if needed, will be new and graded H-40. Other information regarding this pipe is also listed in #23, first page of APD.

5. The operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and the testing procedures and testing frequency -

   a. A Schaeffer blowout prevents w/Grants rotating head will be used. This BOP is rated to 3,000 psi.
   b. See attached schematic diagram.
   c. Unit will be tested to 1000 psi. prior to drilling out from under surface pipe by pressuring-up air-compressors. Daily testing will be performed thereafter.

6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

   a. We propose to drill with air as far as possible. If water is encountered we will continue with air/mist. If excessive gas is encountered we will mud-up with high yield gel and drispack system circulated with 4% KCL. At TD we will mud-up with the same system even if excessive gas is not encountered. The mud weight will be between 8.5 lbs/ft. and 9.0 lbs./ft. If a heavier mud is needed we will add CaCl as needed.

7. Auxiliary equipment to be used.

   a. Kelly cocks.
   b. Floats at the bit.
   c. Visual monitoring of the mud system (when used).
   d. A sub on the rig floor with full opening valve to be stabbed into drill pipe when kelly is out of string.

8. The testing, logging, and coring programs to be followed with provision made for required flexibility:

   a. No drill stem tests or coring programs are anticipated.
   b. Visual examination of cuttings will be made.
   c. Logging will consist of dual induction-laterlog, and compensated neutron/formation density.

9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfidgas, along with plans for mitigating such hazards -

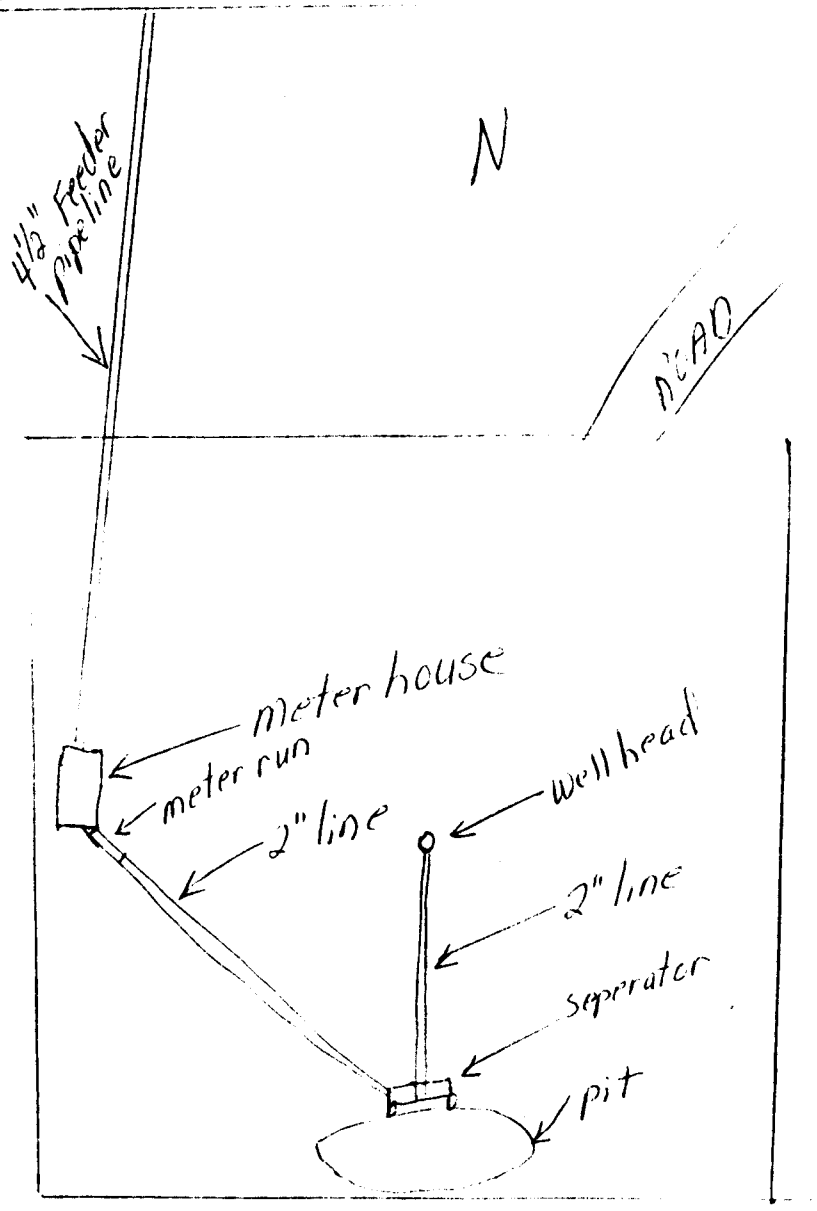
   None expected.

10. The anticipated starting date and duration of the operation -

    We plan to start June 1, 1979. Operation should take seven (7) days.

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, CO. 81501
Bus: 303-245-1342
Res: 303-242-6311

PROPOSED PRODUCTION FACILITI
Bowers Fed. Well #1-34

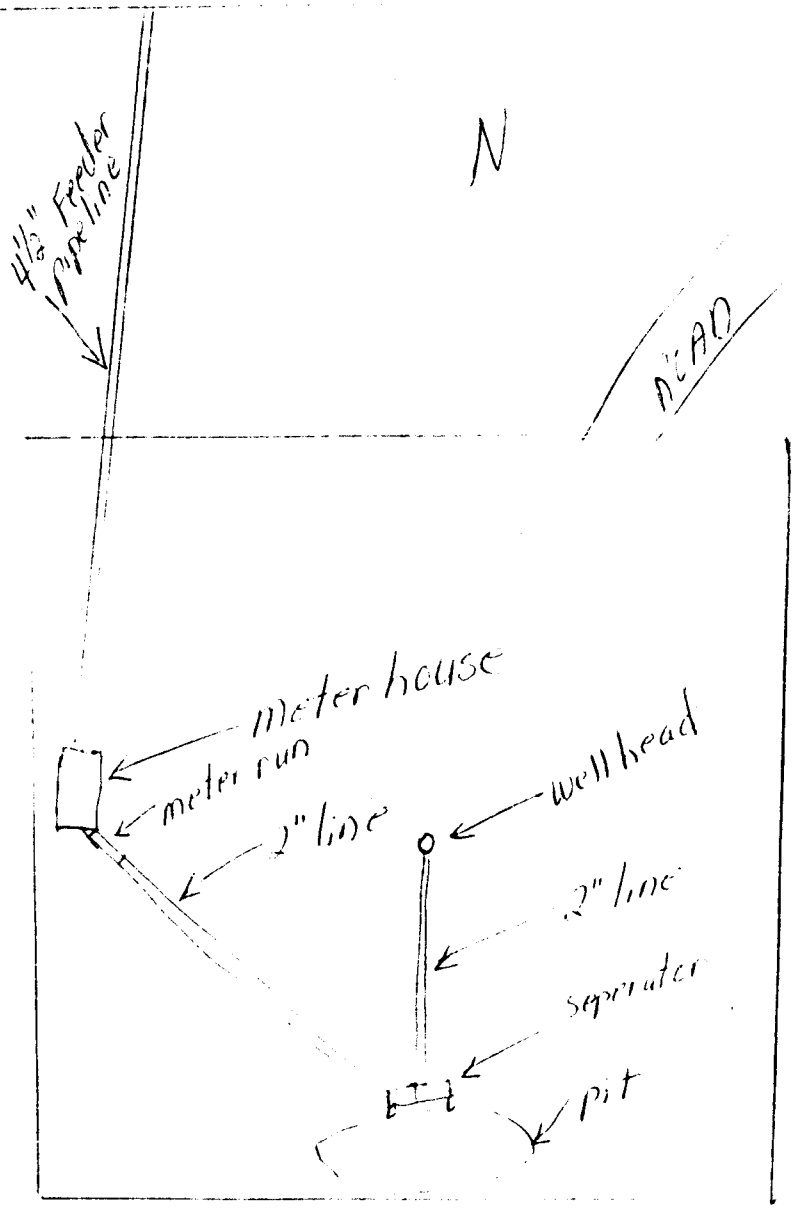


↑ Northwest Pipeline's 4½" feeder line

1 inch = 50 ft.

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 626
GRAND JUNCTION, CO. 81501
Bus: 303-245-1342
Res: 303-242-6311

PROPOSED PRODUCTION FACILITI
Bowers Fed. Well #1-34



↑ Northwest Pipeline's 4½" feeder line

1 inch = 50 ft.

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 606
Grand Junction, CO. 81501
Bus: 303-245-1342
Res: 303-242-6611

Drill Pad Cross Section

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
GRAND JUNCTION, CO. 81501
BUS: 303-245-1342
RES: 303-242-6311

NTL-6

1. Geologic name of surface formation - mancos shale.

2. Estimated tops of important geologic markers -

   a. Dakota - 2100 ft.
   b. Morrision- 2300 ft.
   c. Morrison (salt wash member)-2500 ft.

3. The estimated depths at which anticipated water, oil, gas or other mineral - bearing formations are expected to be encountered -

   a. Dakota, 2100 ft., gas or water is expected.
   b. Cedar Mountain, 2200 ft., gas is expected.
   c. Morrison (salt wash member), 2500 ft., gas or water is expected.

4. The proposed casing program, including the size, grade, and weight/ft. of each string and whether new or used.

   a. The surface pipe will be new and graded H-40. Other information regarding this pipe is listed in #23, first page of APD.
   b. The production pipe if needed, will be new and graded H-40. Other information regarding this pipe is also listed in #23, first page of APD.

5. The operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and the testing procedures and testing frequency -

   a. A Schaeffer blowout prevents w/Grants rotating head will be used. This BOP is rated to 3,000 psi.
   b. See attached schematic diagram.
   c. Unit will be tested to 1000 psi. prior to drilling out from under surface pipe by pressuring-up air-compressors. Daily testing will be performed thereafter.

6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

   a. We propose to drill with air as far as possible. If water is encountered we will continue with air/mist. If excessive gas is encountered we will mud-up with high yield gel and drispack system circulated with 4% KCL. At TD we will mud-up with the same system even if excessive gas is not encountered. The mud weight will be between 8.5 lbs/ft. and 9.0 lbs./ft. If a heavier mud is needed we will add CaCl as needed.

7. Auxiliary equipment to be used.

   a. Kelly cocks.
   b. Floats at the bit.
   c. Visual monitoring of the mud system (when used).
   d. A sub on the rig floor with full opening valve to be stabbed into drill pipe when kelly is out of string.

8. The testing, logging, and coring programs to be followed with provision made for required flexibility:

   a. No drill stem tests or coring programs are anticipated.
   b. Visual examination of cuttings will be made.
   c. Logging will consist of dual induction-laterlog, and compensated neutron/formation density.

9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfidgas, along with plans for mitigating such hazards -

   None expected.

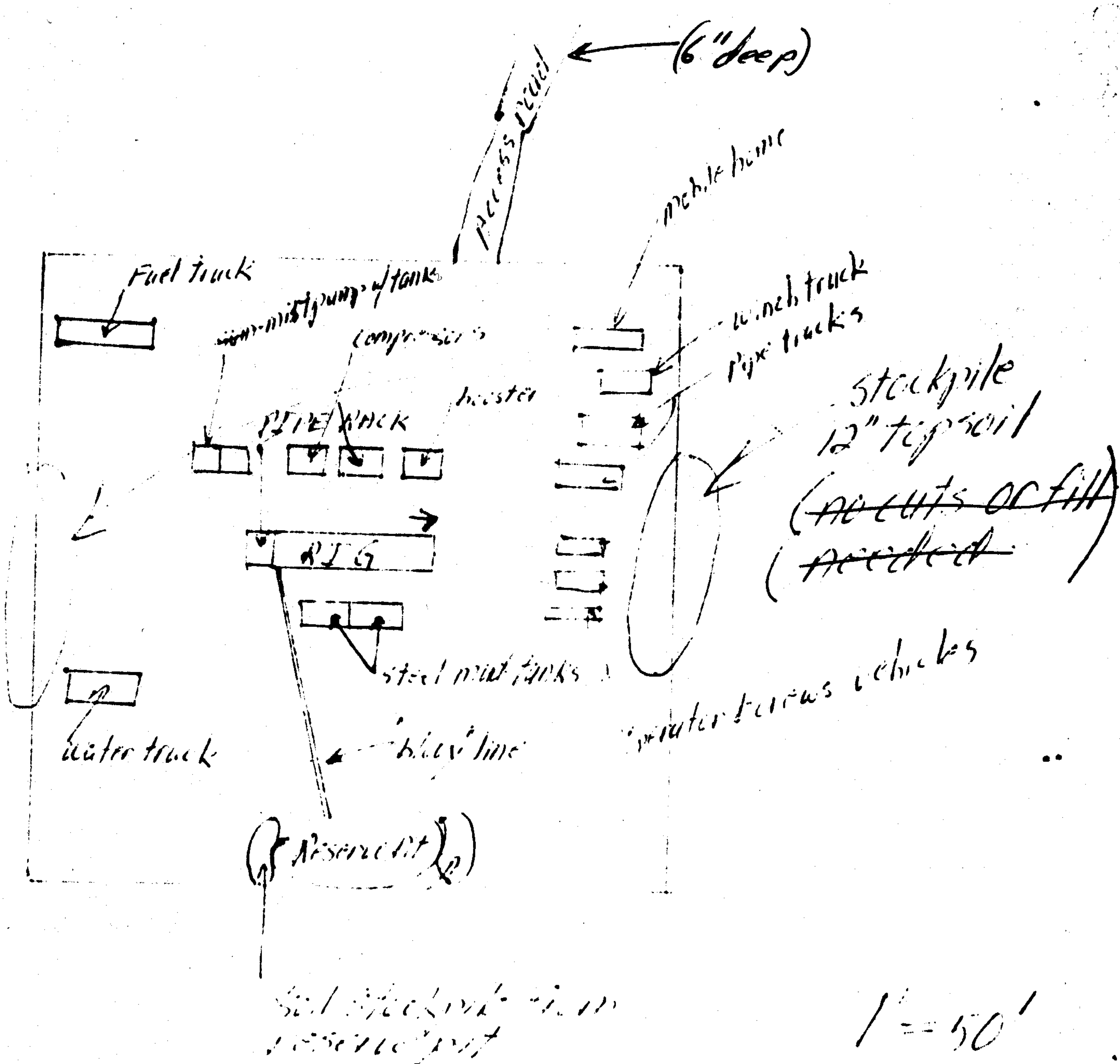
10. The anticipated starting date and duration of the operation -

    We plan to start June 1, 1979. Operation should take seven (7) days.

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box [illegible]
Grand Junction, CO. 81501
Bus: [illegible]-1342
Res: [illegible]-6311

Location [illegible]
Fed. Well #1-34

N



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Bowers Oil and Gas

WELL NAME: Bowers Federal #1-34

SECTION 34 SW SE TOWNSHIP 19S RANGE 23E COUNTY Grand

DRILLING CONTRACTOR Starner Drilling Company

RIG # 1

SPUDDED: DATE 12/13/79

TIME 2:00 p.m.

HOW rotary

DRILLING WILL COMMENCE 12/15/79

REPORTED BY James Bowers

TELEPHONE #

DATE December 14, 1979 SIGNED M. J. Munden

cc: USGS

March 3, 1980

Bowers Oil and Gas Exploration, Inc.
P.O. Box 636
Grand Junction, Colorado 81502

Re: Well No. Fed. 1-34
Sec. 34, T. 19S, R. 23E.
Grand County, Utah
January-February 1980

Gentlemen:

Our records indicate taht you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for yoùu convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MOMING

Janice Tabish

JANICE TABISH
CLERK TYPIST

File

FILE IN TRIPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Bowers Federal Well #1-34

Operator Bowers Oil & Gas Exploration, Inc. *Address* P. O. Box 636, Grand Junction, CO 81502

Contractor Starner Drilling Co. *Address* 715 Horizon Drive, Grand Junction, CO 81502

Location SW ¼ SE ¼ Sec. 34 T. 19S R. 23E *County* Grand

Water Sands

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.	2200' - 2226'		10 BWPD	Salty
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops

2155' (KB)-Dakota
2294' (KB)-Cedar Mountain
2424' (KB)-Morrison

Remarks

RECEIVED
MAR 1 0 1980
DIVISION OF
OIL, GAS & MINING

NOTE: (a) *Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.*
(b) *If a water analysis has been made of the above reported zone, please forward a copy along with this form.*

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

DENVER REGION

API WATER ANALYSIS REPORT FORM

Date Jan. 10, 1980

Lab No. CL 8308

Company Jim Bowers Oil & Gas Co.			Sample No. 73267	Date Sampled
Field Cisco	Legal Description		County or Parish Grand	State Utah
Lease or Unit Federal	Well 1-34	Depth 2418	Formation Morrison	Water, B/D
Type of Water (Produced, Supply, etc.)	Sampling Point			Sampled By

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	13159	579.0
Calcium, Ca	1900	95.0
Magnesium, Mg	210	16.8
Barium, Ba		

ANIONS	mg/l	me/l
Chloride, Cl	24500	686.0
Sulfate, SO_4	40	0.8
Carbonate, CO_3	0	
Bicarbonate, HCO_3	250	4.0

Total Dissolved Solids (calc.) 40059

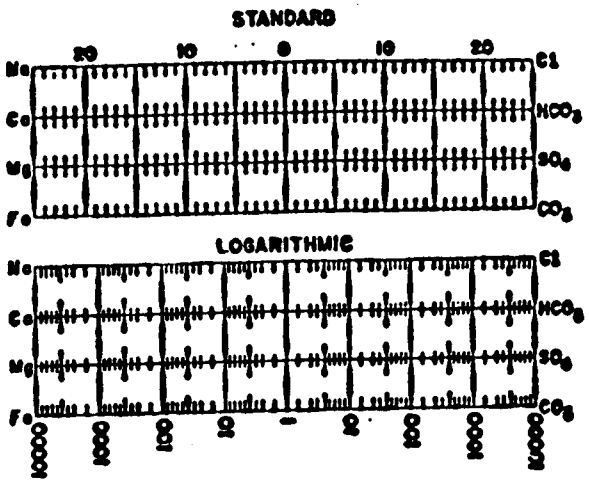
Iron, Fe (total) 2050

Sulfide, as H_2S

OTHER PROPERTIES

pH	6.9
Specific Gravity, 60/60 F.	1.031
Resistivity (ohm-meters) ____ F.	*
BHT	90°F

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS: Sample #2

Possibility of emulsion

D R Mitchell

D. R. Mitchell
DRM/ml

* 0.31 from sample #1
0.345 " " #4

G. Horstman
D15 - Denver Regional Office
Sales - Casper Office File
Tulsa - Earl Morris

ANALYSIS BASED ON API RECOMMENDED PROCEDURE

Form 9-330
(Rev. 5-63)

15

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLIC. (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other Operations Suspended

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
Bowers Oil and Gas Exploration, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 636, Grand Junction, CO 81502

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface SWSE Sec. 34, T19S, R23E
1120' FSL & 1780' FEL, SW SE
At top prod. interval reported below Same as Above
At total depth Same as Above

5. LEASE DESIGNATION AND SERIAL NO.
U-14267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
N/A

9. WELL NO.
Bowers Fed. Well #1-34

10. FIELD AND POOL, OR WILDCAT
Unnamed

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 34, T19S, R23E
SLB & M

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-019-30573	11-15-79	Grand	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12-13-79	12-17-79	2-1-80	4967' KB	2'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
2721' KB (MD)	2461' KB PBTD (MD)	N/A	→	0-2721'	0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
2405' - 2418' MD Cedar Mountain

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induc./Laterolog; Comp. Neutron-Formation Density Cement Bond

27. WAS WELL CORED
No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	210' KB	11"	100 SX Class B	N/A
4 ½	10.5	2502' KB	6 3/4"	100 SX RFC; 50 SX neat (class G)	N/A

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
	N/A			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1½ "	2350.41'	N/A

31. PERFORATION RECORD (*Interval, size and number*)
2405' - 2418' (KB); 2 jspf, 13 gram, 3/8"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2405' - 2415'	24 Bbls. 15% MSR Acid
	800 SCF N2/bbl.

33.* PRODUCTION
As of 2-1-80 well will only flow ~~intermittingly (loaded up with formation water).~~

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
		O.S.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

RECEIVED
MAR 10 1980
DIVISION OF OIL, GAS & MINING

35. LIST OF ATTACHMENTS
Report of stuck packer.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED James E. Bowers TITLE President DATE 2-25-80

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: "*Sacks Cement*": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Dakota	2200 ~~2210~~ KB	2226' KB	Water (Brackish, 10 BWPD estimated)
~~Cedar Mtn.~~ Dakota	2270' KB	2290' KB	Gas (100 m.c.f. G.P.D. est.)
Cedar Mtn.	2404' KB	2418' KB	Gas (700 m.c.f. G.P.D. est.)
Morrison	2504' KB	2518' KB	Nothing.
Morrison	2650	2664' KB	Nothing.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Dakota	2155' KB	
Cedar Mtn.	2294' KB	
Morrison	2424' KB	

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-780-680/VIII-238

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, Co. 81502
Bus: 303-245-1342
Res: 303-242-6311

Before this well was acidized, a packer (MSOT Model 32-A Tension type (6-73)) was set at 2374' K.B. After the acid job was completed we attempted to unseat and then retrieve the packer. It would not release. After two days of trying to retrieve the packer we decided it was futile to try further. We shot off the tubing at 2361' K.B. with a 1-13/16" O.D. jet tubing cutter.

James E. Bowers Pres.

GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT OF OPERATIONS

Communitization Agreement No. N/A
Field Name Unnamed
Unit Name N/A
Participating Area N/A
County Grand State Utah
Operator Bowers Oil and Gas Explorations, Inc.
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
owers deral ll #1-34	SWSE	19S	23E	GSI	None	None	None	None	1-5-80 Perforated well. 1-24-80 Acidized well.

RECEIVED
MAR 1 0 1980
DIVISION OF OIL, GAS & MINING

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	None	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Produced	None	None	None
*Sold	None	None	XXXXXXXXXXXXXXXX
*Spilled or Lost	None	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXX	None	XXXXXXXXXXXXXXXX
*Used on Lease	None	None	XXXXXXXXXXXXXXXX
*Injected	None	None	None
*Surface Pits	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	None
*Other (Identify)	None	None	None
*On hand, End of Month	None	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*API Gravity/BTU Content	N/A	N/A	XXXXXXXXXXXXXXXX

Authorized Signature: James V. Bowers Address: P. O. Box 636, Grand Junction, CO 81502
Title: President

Page 1 of 1

Form 9-331 (May 1963) O&G

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Bowers Oil & Gas Exploration, Inc.

3. ADDRESS OF OPERATOR: P. O. Box 636, Grand Junction, CO 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780 FEL, 1120' FSL

5. LEASE DESIGNATION AND SERIAL NO.: 71-14267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: N/A

9. WELL NO.: Bowens Fed. Well #1-34

10. FIELD AND POOL, OR WILDCAT: Unnamed

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 34, T19S, R23E, SLB & M

14. PERMIT NO.: 43-019-30573

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4967' KB

12. COUNTY OR PARISH: Grand

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	X	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

1. The well was originally completed as a Cedar Mountain Formation gas producer from the perforated interval 2405' - 2415' KB.

2. It was found the well produces too much water to be commercial.

3. The tops are: Dak. - 2155'; Cedar Mountain - 2294'; Morrison - 2424'.

4. We propose to P & A as follows: a) Shoot off and pull as much 4½" casing (est. 2000') as possible. b) Set plugs through tubing: 1. Plug #1 - 2305' to 2515' (20 SK. class B cement). 2. Plug #2 - 200 plug across 4½" cut off (20 SX.) 3. Plug #3 - 210' up to 85' across 7" surface pipe (10SX.) 4. Plug #4 - Surface plug (10SX.) with regulation marker. 5. Hole will be filled with 9ppg. mud.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 5-1-80
BY: M. J. Minder

18. I hereby certify that the foregoing is true and correct

SIGNED James E. Bowers TITLE President DATE 4-14-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE APR 18 1980

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DIVISION OF
OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Bowers Oil and Gas Exploration, Inc.

WELL NAME: Bowers Federal #1-34

SECTION 34 SW SE TOWNSHIP 19S RANGE 23E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 2721'

CASING PROGRAM:

8 5/8" @ 210'

4½" @ 2502'

FORMATION TOPS:

Dakota	2155'
Cedar Mtn	2294'
Morrison	2424'

write for report of abandonment

PLUGS SET AS FOLLOWS:

#1 2305' - 2515'

#2 200' plug acorss cutoff @ 2-00'

#3 210' - 85'

#4 30' - surface

DATE May 1, 1980 SIGNED Orginal Signed By M. T. Minder

cc: USGS

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

June 3, 1980

Bowers Oil & Gas Exploration, Inc.
P.O. Box 636
Grand Junction, Colorado 81502

Re: **Well No. Bowers Federal #1-34**
Sec. 34, T. 19S, R. 23E.
Grand County, Utah

Well No. Bowers State 2-36
Sec. 36, T. 19S, R. 23E.
Grand County, Utah

Gentlemen:

Our records indicate that you have not filed a Subsequent Report of Abandonment for the above subject wells.

Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed within thirty (30) days after the plugging of any well.

In order that we may keep our records accurate and complete, please complete the enclosed Form OGC-1B, and forward them to this office as soon as possible.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, & MINING

Janice Tabish

JANICE TABISH
CLERK-TYPIST

BOWERS OIL & GAS EXPLORATION INC.
P.O. Box 636
Grand Junction, Co. 81502
Bus: 303-245-1342
Res: 303-242-6311

June 5, 1980

Utah Oil & Gas Commission
1588 W.N. Temple
Salt Lake City, Utah 84116

Attention: Ms. Janice Tabish

RE: Bowers State Well #2-36 and
Bowers Federal Well #1-34,
both in Grand County, Utah.

Dear Ms. Tabish:

This letter is in reply to your letter to us dated June 3, 1980 in which you informed us Form OGC-1B should have been sent in on the above captioned wells. For your information, well #2-36 was plugged on June 3, 1980 and well #1-34 will be plugged today, June 6, 1980. All required paperwork on these wells will be sent in on time.

Sincerely,

James E. Bowers

James E. Bowers
President

JEB:lam

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [ ] GAS WELL [XX] OTHER

2. NAME OF OPERATOR
Bowers Oil & Gas Expl., Inc.

3. ADDRESS OF OPERATOR
P.O. Box 636, Grand Junction, CO 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1780 ft. FEL
1120 ft. FSL

5. LEASE DESIGNATION AND SERIAL NO.
71-14267

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT AGREEMENT NAME
n/a

8. FARM OR LEASE NAME
n/a

9. WELL NO.
Bowers Fed. Well #1-34

10. FIELD AND POOL, OR WILDCAT
Unnamed

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T19S, R23E, SLB & M

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. PERMIT NO.
43-019-30573

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4967 ft. (KB)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]				
(Other)				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

We finished plugging and abandoning this well 6/10/80. Plugging operation went as follows (all footage KB): (1) Hole was filled with 9ppg. mud; (2) Plug #1 (2305' - 2515'), 20 SKS Class B cement; Plug #2 (981' - 1181'), 20 SKS Class B cement; (3) Plug #3 (85' - 250'), 12 SKS Class B cement; (4) Plug #4 (surface plug), 25 SKS Class B cement w/regulation marker.

Location has been cleaned up, the pit backfilled, and the topsoil contoured back to its original position. Reseeding will take place this fall.

RECEIVED
JUL 10 1980
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE President DATE 7/12/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side